KAINIŅS, A. ; STREIPA, P.

Perfecting the methods of resin and tar distillation in the Minsk and analogous-type retorts. p. 65.

BIOLOGICHESKAIA NAUKA; SELSKOMU I LESNOMU KHOZIAISTVU. (Latvijas PSR Zinatnu akademija. Biologijas Zinatnu nodala) Riga, Latvia, No. 16, 1958. In Russian.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

KAINIS, A.

Changes in the structure of assortments in pine-tree stands depending on their age. p. 157.

LATVIJAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 7, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

Kalnins, A.

Effect of soil conditons and vegetation on spreading clover nodule bacteria. p.3

Latvijas PSR Zinatnu akademija. Mikrobiologijas instituts. TRUDY. Riga, Latvia. No.8, 1959

Monthly List of East European Accessions (EEAI) LC, Vol.8, no.11 November 1959
Uncl.

KALNINS, Arv.; SURNA, J.

Possibilities of increasing the output of furfurole in wood pyrolysis. Vestis Latv ak no.11:107-113 '59. (EEAI 9:11)

1. Latvijas PSR Zinatnu akademija, Mezsaimniecibas problemu un koksnes kimijas instituts.
(Furaldehyde) (Pyrolysis) (Wood)

KALNIN'SH,A.I.[Kalnins,A.], akademik, red.; GILLER, S.A., akademik, red.; SHIMANSKAYA,M.V., kand. khim. nauk, red.; DYMARSKAYA, O., red.; PILADZE, E., tekhn. red.

[Resources of pentosan-containing raw material in the U.S.S.R.] Resursy pentozansoderzhashchego syr'ia v SSSR. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1960. 161 p. (MIRA 14:12)

1. Vsesoyuznyy uchenyy sovet po probleme ispol'zovaniya pentozansoderzhashchego syr'ia. 2. Akademiya nauk Latviyskoy SSR (for Kalnin'sh, Giller).

(Pentosans)

KALNIN'SH, A.[Kalnins, A.]

Achievements of Soviet Latvian chemists in twenty years. In Russian.
Vestis Latv ak no.7:49-62 '60. (KRAI 10:7)
(Latvia--Chemistry)

KALNIN'SH, A.[Kalnins, A.]

Recommendation for wood protection. Vestis Latv ak no.8:175-179 '60. (EEAI 10:9)

(Wood)

KALNIN'SH,A.[Kalnins,A.]; KUNDZIN'SH,A.[Kundzins,A.]

Science of the forest economy to the national economy. In Russian.
Vestis Latv ak no.7:219-227 '60. (EEAI 10:7)
(Latvia--Forests and forestry)

BRAKSS, N.;(Riga); ALKSNE, L.; ABOLINS, J.; KALNINS, A.

Humic acids of sapropels and peat as adhesives in utilization of wood waste. Vestis Latv ak no.10:101-106 '60.

(EEAI 10:9:10)

1. Latvijas PSR Zinatnu akademija, Mezsaimniecibas problemu un koksnes kimijas instituts.

(Sapropels) (Peat) (Humic acids) (Adhesives)

VASIL'YEV, P.V., prof., doktor ekon. nauk; PONOMAREV, A.D.; SOLDATOV, A.G., kand. sel'khoz. nauk; MOTOVILOV, G.P., doktor sel'khoz. nauk; NEVZOROV, N.V., kand. ekon. nauk; LOSITSKIY, K.B., kand. sel'khoz. nauk; RODIONOV, A.Ya., kand. sel'khoz. nauk; CHARKINA, A.P., kand. sel'khoz. nauk; LUTSEVICH, A.A., kand. sel'khoz. nauk; KOZHEVNIKOV, M.G., dots.; ALEKSEYEV, P.V., kand. sel'khoz. nauk; ZORIN, A.V., aspirant; BARANOV, N.I., kand. sel'khoz.nauk [deceased]; NAUMENKO, I.M., prof., doktor sel'khoz.nauk; IL'IN, A.I., kand.sel'khoz. nauk; MOISEYENKO,F.P., kand. biol. nauk; ZAKHAROV, V.K., prof., doktor sel'-khoz. nauk; GECHIS, Yu.P., starshiy nauchnyy sotr.; BUTENAS, Yu.P., kand. sel'khoz. nauk; BUBLIS, K.A., aspirant; KALNIN'SH, A.Ya., kand. sel'khoz. nauk; ZVIYEDRIS, A.I., kand. sel'khoz. nauk; SUKACHEV, V.N., akad. red.; ZHUKOV, A.B., prof., red.; PRAVDIN, L.F., prof., red.; MAKAROVA, L.V., red. izd-va; LOBANKOVA, R.Ye., tekhn. red.

[Problems of increasing forest productivity in four volumes] Problemy povysheniia produktivnosti lesov v chetyrekh tomakh. Moskva, Goslesbumizdat. Vol.4.[Economic problems of increasing forest productivity and accelerating ripening and cutting ages]Ekonomicheskie voprosy povysheniia produktivnosti lesov, vozrasty spelosti i vozrasty rubok. 1961. 253 p. (MIRA 15:1)

1. Akademiya nauk SSSR. Institut lesa. 2. Nachal'nik Glavnoy inspektsii po lesnomu khozyaystvu i polezashchitnomu lesorazvedeniyu Ministerstva sel'skogo khozyaystva SSSR (for Ponomarev).
(Forests and forestry—Economic aspects)

BELYAKOV, G.; ERMUSH, N. [Ermusa, N.]; KALNIN'SH, A. [Kalnins, A.]

Possibilities for the utilization of hydrophobic sand treated with wood tar. Vestis Latv ak no.3:85-90 '61.

1. Institut lesokhozyaystvennykh problem i khimii drevesiny AN Latviyskoy SSR.

KALNIN'SH, A. [Kalnins, A.]

Seventieth birthday of Academician Petr Nikitich Odintsov. Vestis latv ak no.3:117-122 '61.

KALNIN'SH, A.[Kalnins, A.]; ZANDERSON, Ya.[Zandersons, J.]

Resin content in the sapwood of turpentined pine trees. Vestis Latv ak no.6:143-152 '61.

1. Akademiya nauk Latviyskoy SSR, Institut lesokhozyaystvennykh problem i khimii drevesiny.

(Gums and resins) (Pine)

KALNIN'SH, A.[Kalnins, A.]

New problems in the Chemistry and Geology Section of the Academy of Sciences of the Latvian S.S.R. Vestis Latv ak no.7:127-128 '61.

(Latvia—Chemical research)
(Latvia—Geological research)

KALNINS, A

KALNYN'SH, A.[Kalnins, A.]; ZVIYEDRIS, A.[Zviedris, A.]

Prospects of forestry development in the Latvian S.S.R. Vestis Latv ak no.8:117-120 '61.

1. Akademiya nauk Latviyskoy SSR, Institut lesokhozyaystvennykh problem i khimii drevisiny.

ODINTSOV, P.N.; KALNIN'SH, A.I. [Kalnins, A.]; KAL'NINA, V.K.; CHEPIGO, S.V.; SHNAYDER, Ye.Ye.; SHPUNTOVA, M.Ye.

Hydrolysis of plant materials by concentrated sulfuric acid. Gidroliz. i lesokhim.prom. 14 no.3:1-4 '61. (MIRA 14:4)

1. Institut lesokhozyaystvennykh problem i khimii drevesiny Akademii nauk Latviyskoy SSR (for Odintsov, Kalnin'sh, Kal'nina). 2. Nauchno-issledovatel'skiy institut gidroliznoy i sul'fitno spirtovoy promyshlennosti (for Chepigo, Shnayder and Shpuntova).
(Hydrolysis) (Wood--Chemistry)

GOLOVA, O.P.; EPSHTEYN, Ya.V.; SERGEYEVA, V.N.; KALNIN'SH, A.I. [Kalnins, A.]; ODINTSOV, P.N.; MAKSIMENKO, N.S.; PANASYUK, V.G.; Prinimali uchastiye: MERLIS, N.M.; DURININA, L.I.; BISENIYETSE, S.K.[Biseniece, S.]; GUNDARS, A.Yu.; FEDORCHENKO, R.I.; MINAKOVA, V.I.

New method for the complete chemical processing of plant tissues. Gidroliz. i lesokhim. prom. 14 no.7:4-8 '61. (MIRA 14:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR (for Golova, Epshteyn, Merlis, Durinina). 2. Institut lesokhozyaystvennykh problem i khimii drevesiny AN Latviyskoy SSR (for Sergeyeva, Kalnin'sh, Odintsov, Bisenietse, Gundars). 3. Krasnodarskiy gidroliznyy zavod (for Maksimenko, Fedorchenko, Minakova). 4. Dnepropetrovskiy sel'skokhozyaystvennyy institut (for Panasyuk).

(Plant cells and tissues)
(Botanical chemistry)

KALNIN'SH, A.I. [Kalnins, A.]; RASIN'SH, P.P. [Rasins, P.]

Two-storied pine tapping with the application of sulfuric acid in the lower story. Gidroliz. i lesokhim. prom. 14 no.7:19 '61. (MIRA 14:11)

1. Institut lesokhozyaystvennykh problem i khimii drevesiny AN Latviyskoy SSR.

(Turpentining)
(Sulfuric acid)

SERGEYEVA, Varvara Nikolayevna; DOMBURG, Galina Eduardovna; KALNIN'SH, A.I.[Kalnins, A.I.], akademik, red.; DYMARSKAYA,O., red.; LEMBERGA, A., tekhn, red.

[Formation of furfurole and methods for its production]Obrazovanie furfurola i metody ego polucheniia. Pod red. A.I.Kalnin'sha. Riga, Izd-vo Akad. nauk Latviiskoi SSR, 1962. 83 p. (MIRA 15:9)

1. Akademiya nauk Latviyskoy SSR (for Kalnin'sh).
(Furaldehyde)

KALNIN'SH, Arvid Yanovich[Kalnins, Arvids], akademik; GORSHIN, S.N., retsenzent; BARAKS, A.M., red.; GOSPODARSKAYA, T.N., red. izd-va; GRECHISHCHEVA, V.I., tekhn. red.

[Preservation of wood]Konservirovanie drevesiny. Moskva, Goslesbumizdat, 1962. 143 p. (MIRA 16:3)

1. Starshiy nauchnyy sotrudnik TSentral'nogo nauchno-issledovatel'skogo instituta mekhanicheskoy obrabotki dereva (for Gorshin).
(Wood--Preservation)

KALNYN'SH, A. [Kalnins, A.]

Changes in the stand structure of pine forests under the effect of drainage. Vestis Latv ak SSR no.8:113-116 '62.

1. Institut lesokhozyaystvennykh problem i khimii drevesiny AN Latviyskoy SSR.

GOLOVA, O.P.; EPSHTEYN, Ya.V.; SERGEYEVA, V.N.; KALNIN'SH, A.I. [Kalnins, A.]; ODINTSOV, P.N.; MAKSIMENKO, N.S.; PANASYUK, V.G.

Outlook for a new method of complete processing of plant materials. Gidroliz.i lesokhim.prom. 15 no.3:12-15 '62. (MIRA 15:5)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR (for Golova, Epshteyn). 2. Institut lesokhozyaystvennykh problem i khimii drevesiny AN Latviyskoy SSR (for Sergeyeva, Kalnin'sh, Odintsov). 3. Krasnodarskiy gidroliznyy zavod (for Maksimenko). 4. Dnepropetrovskiy sel'skokhozyaystvennyy institut (for Panasyuk).
(Wood—Chemistry) (Hydrolysis) (Plant cells and tissues)

BEYNART, I.I.; KALNIN'SH, A.I. [Kalnins, A.]

Wood hydrolysis by means of small amounts of concentrated sulfuric acid in the presence of organic liquid. Gidroliz.i lesokhim.prom. 15 no.6:3-5 '62. (MIRA 15:9)

1. Institut lesokhozyaystvennykh problem i khimii drevesiny AN Latviyskoy SSR.
(Latvia—Wood—Chemistry)

KALNINS, A., prof.

A new method of hydrolysis by using concentrated sulfuric acid. Drevo 17 no.5:146-147 My '62.

1. Institut lesochozjajstvennych problem i chimii drevesiny Akademii nauk Latvijskoj SSR.

KAININ'SH, A.I. [Kalnins, A.] akademik; ODINTSOV, P.N., akademik

Chemistry of wood pulp. Vest. AN SSSR 32 no.2:57-61 F '62. (MIRA 15:2)

1. AN Latviyskoy SSR (for Kalnin'sh, Odintsov).
(Woodpulp)

KALNIN'SH, A.I. [Kalnins, A.]; RASIN'SH, P.P. [Rasins, P.]

Importance of the location for the application of sulfuric acid on the streak surface. Gidroliz. i lesokhim.prom. 16 no.1:25 '63. (MIRA 16:2)

1. Institut lesokhozyaystvennykh problem i khimii drevesiny AN Latviyskoy SSR.

(Turpentining)

TULYAKOV, B.V.; KALNIN'SH, A.I. [Kalnins, A.]; ROMANOVSKIY, G.G.; RASIN'SH, P.P. [Rasins, P.]

Urgent tasks of the technological progress in pine tapping. Gidroliz. i lesokhim.prom. 16 no.8:1-3 '63. (MIRA 17:1)

KALNIN'SH, A.I. [Kalnins, A.], akademik

Plasticized cellulose. Vest. AN SSSR 34 no.5:79-85 My '64. (MIRA 17:6)

1. AN Latviyskoy SSR.

KALNIN'SH, A.I. [Kalnins, A.], prof., akademik

Competitor of metals; plasticized wood. Priroda 53 no.9:76-80 '64. (MIRA 17:10)

1. AN Latviyskoy SSR, Riga.

KALNIN'SH, A.I. [Kalnins, A.]; DARZIN'SH, T.A. [Darzins, T.]; BERZIN'SH, G.V. [Berzins, G.]

Plasticization of wood by preliminary treatment with ammonia. Der. prom. 13 no.5:11-13 My '64. (MIRA 17:6)

KALNIN'SH, A.I. [Kalnins, A.], akademik

Interesting book on wood chemistry. Gidroliz. i lesokhim. prom. 17 no.3:30 '64. (MIRA 17:9)

1. AN Latviyskoy SSR.

KALNIN'SH, A.I. [Kalnins, A.]; RASIN'SH, P.P. [Rasins, P.] [deceased];
TSAKARS, E.Ya. [Cakars, E.]

Ten-year pine tapping with the use of diluted sulfuric acid.
Gidroliz. i lesokhim. prom. 17 no.7:17-19 '64.
(MIRA 17:11)

ACC NR: AP6009867 (A) SOURCE CODE: UR/0413/66/000/004/0065/0065

INVENTOR: Kalnin'sh, A. I.; Rakin, A. G.; Berzin'sh, G. V.; Sheydin, I. A.; Darzin'sh, T. A.; Muzhits, V. I.; Doronin, Yu. G.; Ziyemelis, A. E.; Churina, Ye. A.

ORG: none

TITLE: Preparation of wood plastics. Class 38, No. 178971 [announced by the Institute of Wood Chemistry AN LatSSR (Institut khimii drevesiny AN Latviyskoy SSR) and Central Scientific-Research Institute of Plywood (Tsentral'nyy nauchno-issledovatel'skiy institut fanery)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 65

TOPIC TAGS: plywood, wood chemistry, wood plastic, forest product

ABSTRACT: An Author Certificate has been issued describing a method of preparing wood plastics. To improve the physical and mechanical properties of the end product and lower the amount of binder for making wood plastic from veneer sheets or ground wood, the latter are treated, prior to pressing, with a 25-percent solution of ammonia for 4 hr at 18—20C. The treated sheets are combined with untreated sheets during pressing. [LD]

SUB CODE: 11/ SUBM DATE: 25Jan65

Card 1/1 vlr UDC: 674.812.2

KALNIN'SH, E.[Kalnins, E.]; ANSHELEVICH, Yu.

Experience in using bicillin-3 in the therapeutic clinic. In Russian. Vestis Latv ak no.4:183-184 '60. (EEAI 10:7)
(BICILLIN)

KITAEV, Yu.P.; LYALIKOV, K.S.; KALINKIN, K.K.

Photochemical reaction in the solid layer of polyvinyl alcohol.
Zhur. fiz. khim. 39 no.8:1886-1889 Ag '65. (MIRA 18:9)

1. Leningradskiy institut kinofotopererabotki i Institut vysokomolekulyarnykh soyedineniy.

KALNIN'SH, K.K.; BELEN'KIY, B.G.

Dissociation of tetracyclines studied by means of infrared spectroscopy. Dokl. AN SSSR 157 no.3:619-621 Jl '64.
(MIRA 17:7)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR. Predstavleno akademikom M.M. Shemyakinym.

KALNIN'SH, K.K.; MOSKVICHEV, B.V.; DMITRENKO, L.V.; BELEN'KIY, B.G.; SAMSONOV, G.V.

Infrared spectra of amino acids in a sorbed state. Izv. AN SSSR. Ser.khim. no.10:1897-1899 '65. (MIRA 18:10)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

REYZIN'SH, R.E. [Reizinš, R.E.], inzh.; KALNIN'SH, L.R. [Kalniņš, L.R.], inzh.

Effect of fractional beating on the quality of woodpulp. Bum.prom. 34 no.3:16-18 Mr '59. (MIRA 12:4)
(Woodpulp)

KALNINSH, M.

KAL'NYNSH, M., inzh. [Kalniņš, M.]

Some problems in producing clay tiles. Stroi. mat. 4 no. 7:17-19 Jl '58. (MIRA 11:7)

(Tiles, Roofing)

KAINIKS, M.

Kimija lauksaimnieciba; metodiski noradijumi kimijas un biologijas skolotajiem. Riga, Latvijas valsts izdevnieciba, 1956. 110 p. (Chemistry in agriculture; methodological directions for teachers of chemistry and biology)

DA Not in DLC

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

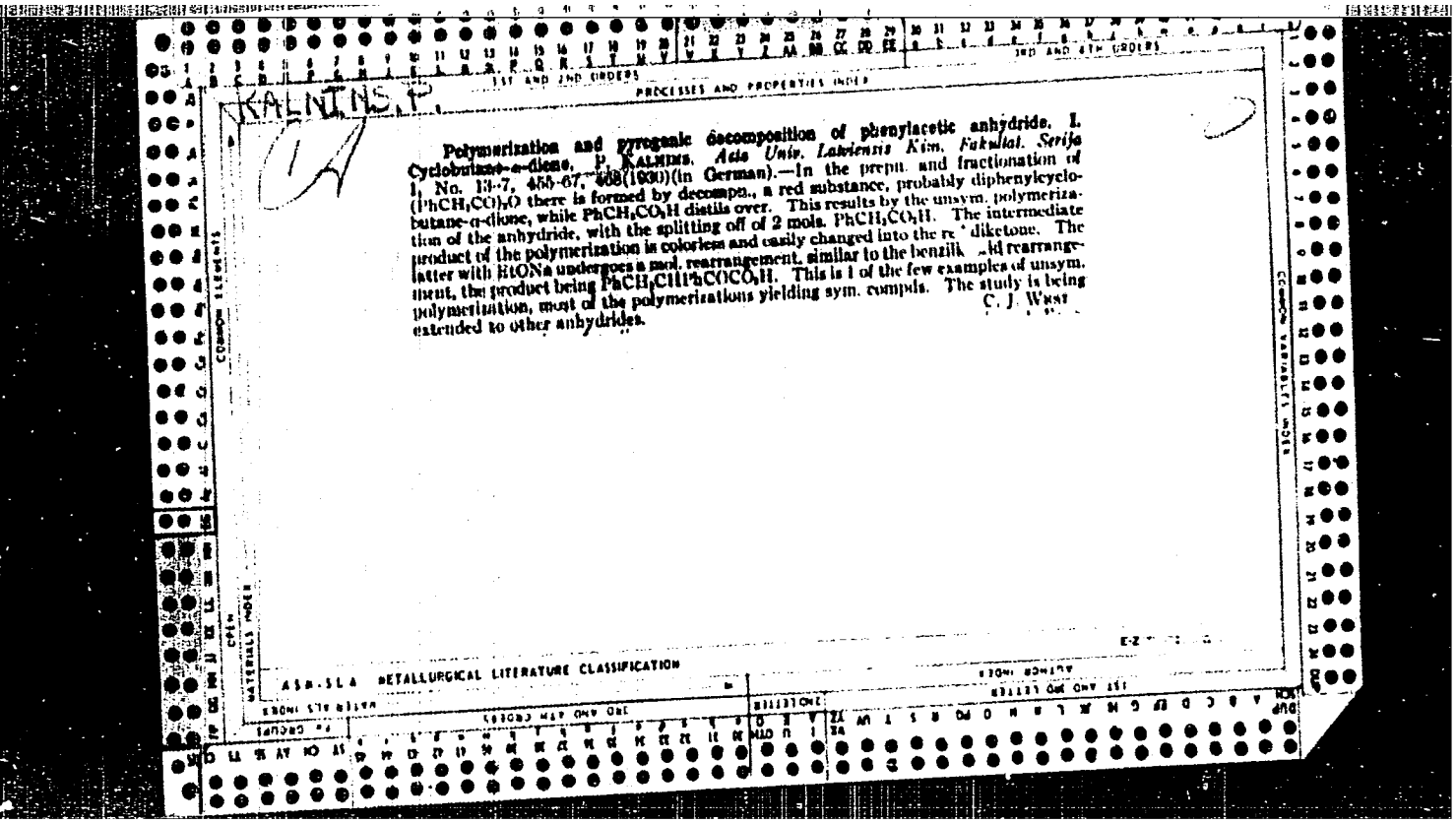
EIDUKS, Julijs; KALNINS, Martins; MACEJEVSKA, E., red.; AIZUPIETE, M., tekhn. red.

[Minerals of the Latvian S.S.R. and their use] Latvijas PSR derigie izrakteni un to izmantosana. Riga, Latvijas Valsts izdevnieciba, 1961. 430 p. (MIRA 15:3)
(Latvia--Mines and mineral resources)

ABELE, E., nauchnyy sotrudnik; KAL'NYN'SH, O.[Kalniņš,O], nauchnyy sotrudnik

Fertilize hothouse crops correctly. Nauka i perod.op.v sel'khoz. 9 no.1:61 Ja '59. (MIRA 13:3)

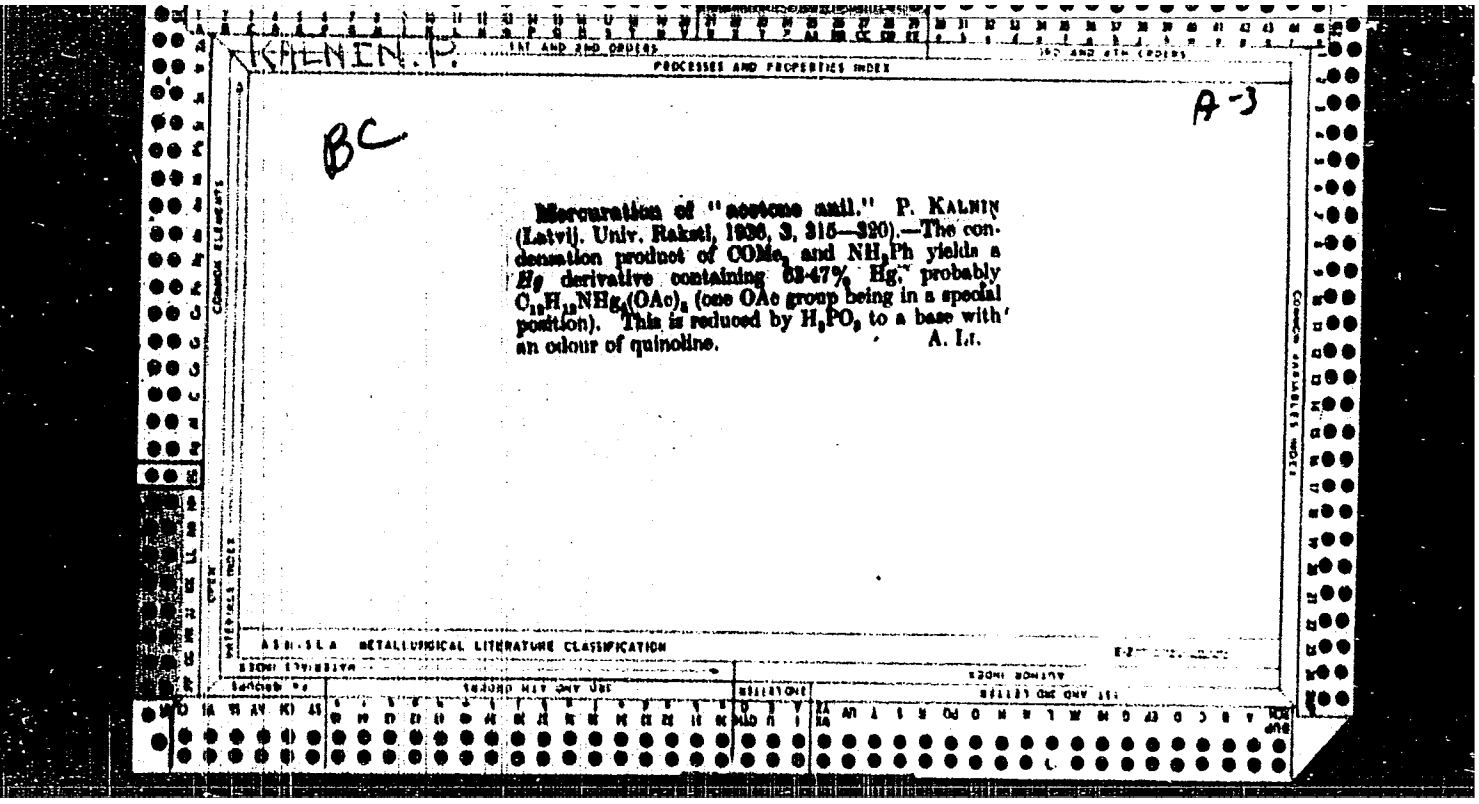
1. Latviyskiy nauchno-issledovatel'skiy institut zemledeliya.
(Fertilizers and manures) (Greenhouse management)



KALNINS, P.

Polymerization and pyrogenic decomposition of phenylacetic anhydride. I. Cyclobutane-α-dione. P. KALNINS. *Acta Univ. Latviensis Kim. Fakultat. Serija* I, No. 13-7, 455-67, 468(1930)(in German).—In the prepn. and fractionation of $(PhCH_2CO)_2O$ there is formed by decompn., a red substance, probably diphenylcyclobutane-α-dione, while $PhCH_2CO_2H$ distils over. This results by the unsym. polymerization of the anhydride, with the splitting off of 2 mols. $PhCH_2CO_2H$. The intermediate product of the polymerization is colorless and easily changed into the re[illegible] diketone. The latter with EtONa undergoes a mol. rearrangement, similar to the benzilic acid rearrangement, the product being $PhCH_2CH(Ph)COCO_2H$. This is 1 of the few examples of unsym. polymerization, most of the polymerizations yielding sym. compds. The study is being extended to other anhydrides.

C. J. West



KALNIN, P.

PROCESSES AND PROPERTIES INDEX

BC

A-3

Mercuration of "acetone anil." P. KALNIN (Latvij. Univ. Raksti, 1936, 3, 315—320).—The condensation product of $COMe_2$ and NH_2Ph yields a *Hg* derivative containing 53·47% Hg, probably $C_{18}H_{18}NHg_4(OAc)_8$ (one OAc group being in a special position). This is reduced by H_3PO_2 to a base with an odour of quinoline. A. I.t.

A S M - S L A METALLURGICAL LITERATURE CLASSIFICATION

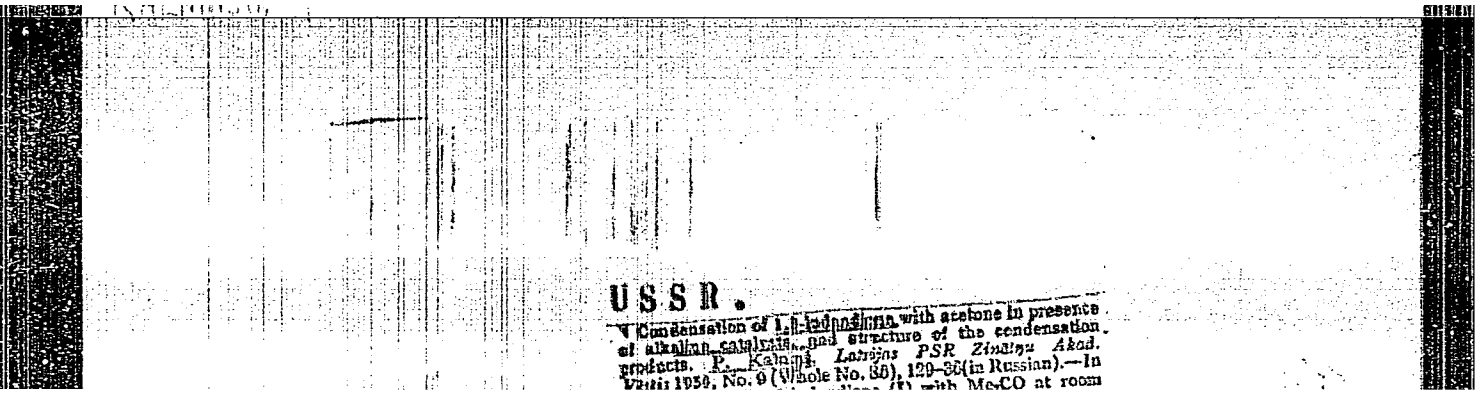
(4)

Oxidation of furan to maleic anhydride by atmospheric oxygen in vapour-gas phase over a catalyst from oxides of vanadium. P. Kalnins, S. Hillers, and M. Turvid. *Latvijas PSR Zinātņu Akad. Vēstis* 1951, 413–52.—Passage of air-furan mixts. through a glass tube over V_2O_5-pumice catalyst gave the following conversions to maleic anhydride. The best results are had with 3 sec. contact and a molar ratio of air to furan of 120–190 at 325°, when an 81–3% yield is secured (92–4% taking into account unreacted furan). It is suggested that the reaction proceeds by formation of the 2,5-di-HO deriv., which yields the 2,5-oxo deriv. or suffers ring cleavage with formation of $HO_2CCH_2CH:CHCHO$, which yields a lactone. Over a pure V_2O_5 catalyst some 27% furan is oxidized to CO_2-H_2O and only 13% yields maleic anhydride; when the catalyst is fully "developed" with use and consists largely of V_2O_4, some 46% conversion to maleic anhydride occurs. The high yields cited above result from a catalyst consisting of both V_2O_5 and V_2O_4. G. M. K.

mf

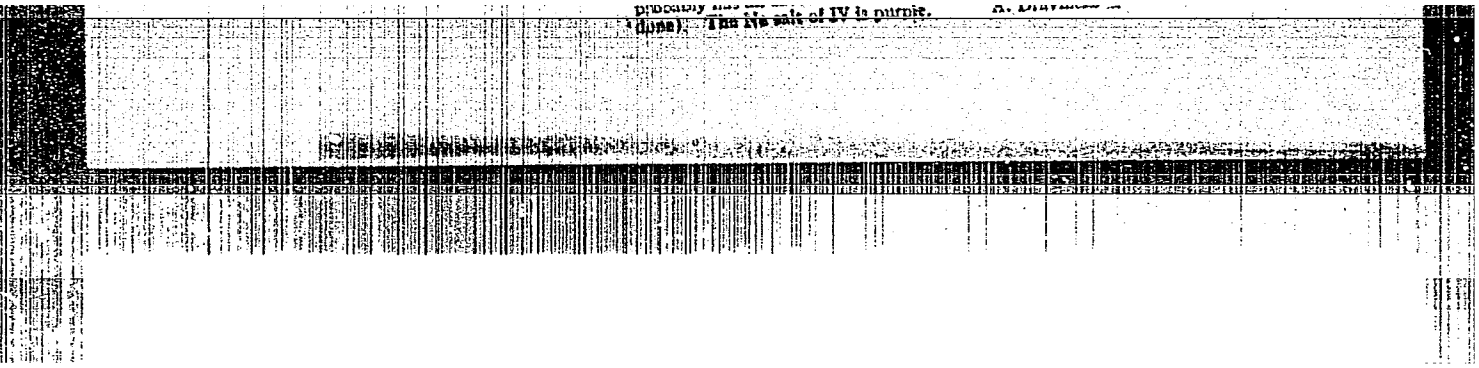
MALKIN S. P.

Catalytic oxidation of furfural in vapor gas phase with air oxygen. SI Tarvels, S. Fillers, and P. Kalnin'š. *Latvijas PSR Zinātņu Akad. Vēstis* 1952, No. 6(61): 47-58(in Russian).—Numerous types of V-bearing catalysts, with and without support, were investigated for their activity in catalyzing the oxidation of furfural vapor to maleic acid with air at atm. pressure and 200-475°. Typical catalysts were: V$_2$O$_5$ (I) on pumice, V$_2$O$_5$ on Al, 80 g. per 100 ml. of the carrier, 5.5 I and 10.3 TiO$_2$ on pumice, 11.8 I, 5.0 MoO$_3$, 0.85 Co$_3$O$_4$ on pumice, 21 Ag$_2$VO$_3$ on pumice; 5.7 I, 1.0 MoO$_3$, 1.1 P$_2$O$_5$, 0.3 Fe$_2$O$_3$ on pumice; 15.2 I, 3.0 MoO$_3$, 1.0 B$_2$O$_3$, 1.8 TiO$_2$ on Al (II) or pumice. The salts and the oxides were placed on the carriers from a thin suspension by a slow evapn. of the corresponding salt, oxide, and carrier mixt., with or without addn. of sacrificial organic binders. The catalysts were slowly dried at 100° in air stream, followed by a gradual increase to 300° within 12 hrs., and holding at 320° for addnl. 12 hrs. The final activation was achieved by heating for 40 hrs. at 370° in a rapid air stream. One-pass conversions of 75-80% were obtained with the best mixed oxide catalyst, with no decrease in activity for 900 hrs. The air-furfural molar ratios were 100:1 to 4000:1, and the contact times 0.75-2 sec. The best catalyst was II, and the optimal conditions: air-furfural molar ratio 1840:1 to 2190:1, temp. 370°, contact time 1.5 sec.; 97% of furfural was oxidized, yielding 83% maleic acid. Andrew Dravnieks



USSR.

Condensation of 1,1-[illegible] with acetone in presence of alkaline catalysts, and structure of the condensation products. P. Kalnin'š. *Latvijas PSR Zinatņu Akad. Vestis* 1950, No. 9 (Whole No. 50), 129–36 (in Russian).—In [illegible] with Me$_2$CO at room



KALNINSH K.

2

Method of measurement of complex magnetic permeability of ferrite. J. R. Kalnins. *Latvijas PSR Zinātņu Akad. Vēstis* 1960, No. 1, 77-9.—The effect of losses in the coil on the measurement of a toroidal sample were detd. Because the magnetic circuit is closed the magnetic losses are detd. and poor-quality coils can be used. The error of conventional *Q*-meters (5%) facilitates the choice of coil.
A. Libāteky[illegible]

KALNINS, T.

Study of magnetic beta spectrometer model with constant magnets. In Russian. p. 49.

LATVIIAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 7, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

KUKAYN, R. [Kukaine, R.]; INDULEN, M. [Indulena, M.]; KANEL', I. [Kanele, I.]; KONDRASHOVA, M.; KALNINYA, B. [Kalnina, V.]; VOLRAT, A. [Volrate, A.]; FELDMAN, G. [Feldmane, G.]; NAGAYEVA, L.; PAVLOVA, M.; POPOVA, V.

Characteristics of the tuberculin tests in children inoculated during early infancy with peroral BCG vaccine and live poliomyelitis vaccine. Vestis Latv ak no.7:115-117 '62.

1. Institut mikrobiologii AN Latviyskoy SSR.

KALNINYA E

LATVIA/Organic Chemistry - Natural Compounds and Their Synthetic Analogs. G.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 54148

Author : Villere G., Grinshteins V., Kalninya E.

Inst : Latv. University.

Title : Investigation of Usnic Acid and Its Derivatives.

Orig Pub : Uch. Zap. Latv. un-t, 1957, 14, 63-78.

Abstract : The isolation of (+)-Usnic acid (I) was made from the Usnea Ramalina and the Gladonia varieties of lichens; the concentration of I in Usnea hirta is as high as 3.8%. Usnamide (II), m. p. 251°C. (from acetic acid), was prepared by boiling I with ammonium hydroxide in a mixture of alcohol and benzene, or acetic acid plus sodium acetate. When I is heated at 80°C. for thirty minutes, or at 20°C. for thirty minutes to forty-eight

Card 1/4

28

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 54148

hours with liquid ammonia, there is formed a mixture of products which probably are II and the diamide of I, $C_{18}H_{18}O_5N_2$ (III). The condensation of I with diphenyl hydrazine in alcohol (boiled for 2.5 hours) probably resulted in the formation of bis-diphenyl hydrazone of I, $C_{42}H_{36}O_5N_4$; this material does not melt at 250°C.

It was not possible to prepare the corresponding amines by the reduction of the above compound (or the reduction of II, or the oxime of I).

When alcoholic solutions of nitrogen-containing compounds are boiled with I, condensation products are obtained (given are: the starting material, the composition of of the reaction product, and its melting point in °C);

SVIREZHEV, M.V.; KAL'NITS, V.V.

Allarthroplasty of the knee joint following tuberculous genitis; preliminary report. Ortop., travm. i protez. no.9:40-44 '62. (MIRA 17:11)

1. Iz Novosibirskogo instituta tuberkuleza (dir. - zasluzhennyy vrach RSFSR kand. med. nauk M.V. Svirezhev).

KAL'NITS, V.V.

Experimental data on the use of penopolyvinylformal in alloarthroplasty in tuberculous lesions of the joints. Eksper. khir. i anest. 9 no.1:57-59 Ja-F '64. (MIRA 17:12)

1. Novosibirskiy nauchno-issledovatel'skiy institut tuberkuleza (dir. - zasluzhennyy vrach RSFSR kand. med. nauk M.V.Sverezhev).

STEPANOVA, O.S.; TISHCHENKO, O.I.; DROZDOVSKAYA, A.I.; KAL'NITSKAYA, E.A.; PANCHUK, T.D.; YATSENKO, Ye.A.

Synthesis of some α-halo ethers. Zhur. VKHO 8 no.5:598-599 '63. (MIRA 17:1)

1. Odesskiy gosudarstvennyy universitet imeni Mechnikova.

KOGAN, A.A., prof.; KAL'NITSKAYA, F.Ye.; IZAMSHAYEVA, A.I.; LEVINA, L.M., red.; ISAI, M.A., tekhn. red.

[Emergency aid in obstetrics] Neotlozhnaia pomoshch' v akusherstve; posobie dlia akusherok. Tashkent, Medgiz, UzSSR, 1962. 119 p. (MIRA 16:7)
(OBSTETRICS)

1. KALNITSKIY, A. A.

2. USSR (600)

4. Concrete - Testing

7. Problem of methodology in determining the durability of concrete. Stroi.prom. 30 no. 12 1952

9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

KAL'NITSKIY, A.A. (Moskva)

Designing girders taking into account plastic deformations. Stroi. mekh. i rasch. soor. 3 no.1:24-25 '61. (MIRA 14:2)
(Girders) (Strains and stresses)

VAYNBERG, G.D., inzh.; YEVTIKHIN, V.F., kand. tekhn. nauk; KAZAKOV, I.V., inzh.; KAL'NITSKIY, A.A., kand. tekhn. nauk; NIKOLAYEV, N.A., kand.tekhn.nauk, nauchn. red.

[Asbestos cement elements in rural construction for residential, cultural, and industrial buildings] Asbestotsementnye konstruktsii v sel'skom stroitel'stve dlia zhilykh, kul'turno-bytovykh i proizvodstvennykh zdanii. [By] G.D.Vainberg i dr. Moskva, Stroiizdat, 1965. 63 p. (MIRA 18:3)

KAZAKOV, I.V., inzh.; KAL'NITSKIY, A.A., kand.tekhn.nauk

Use of asbestos cement articles in construction. Stroi. mat. 7 no.9:14-17 S '61. (MIRA 14:11)
(Asbestos cement)

KAL'NITSKIY, A.A., kand.tekhn.nauk; KROL', I.S., inzh.

Coefficients of homogeneity of asbestos cement. Trudy NIIAsbesttsementa no.14:63-70 '62. (MIRA 16:9)

KAL'NITSKIY, A. I.

V. A. Alikayev, author of Zoogigiyena s osnovami veterinarii ("Animal Hygiene and Principles of Veterinary Medicine"). Adapted for local conditions and supplemented by A. I. KAL'NITSKIY. Kishinev, Modavgiz, 1951. 88 pages (Ministry of Agriculture of the Moldavian SSR. Main Administration of Agricultural Propaganda). Price 2 rubles. 15,000 copies. In the Moldavian and Kazakh languages. (from: NEW BOOKS ON VETERINARY MEDICINE Veterinariya, No. 11, pp. 63,64, Nov. 1951, Moscow, Russian mo per.)

SO: [redacted] Report U-4502; 28 August 1953. [redacted].

KAL'NITSKIY, A. I.

Veterinary Medicine

Chimishliia veterinary section. Sots. zhiv. 14 no. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952, Uncl.

KALINITSKIY, B.P.

The MK-53KB special purpose semiautomatic multicut lathe.
Biul.tekh.-ekon.inform. no.7:23-25 '60. (MIRA 13:7)
(Lathes)

84-58-6-41/59

AUTHOR: Kal'nitskiy, I. (Nikolayev)

TITLE: Airmen Help Schoolboys (Aviarabotniki pomogayut shkol'-nikam)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 6, p 33 (USSR)

ABSTRACT: The short note reports the establishment of an "aero-club" at the Nikolayev "Pioneer Palace". The club has two Yak-18 training planes, a BRO-11 glider and a secticnal M-11 engine for instruction. The instructors are the local airport specialists. A photograph accompanies the text.

1. Civil aviation--USSR 2. Personnel--Training

Card 1/1

KALNICKIJ, J.B. [Kal'nitskiy, I.B.], doc., kandidat technickych ved;
PEILNAR, Antonin, inz., dr. [translator]

Conditions and elements of automation in ore mines.
Rudy 10 no.8:251-253 Ag '62.

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy nikelevoy promyshlennosti (for Kalnickij).

KAL'NITSKIY, L. (g.Kiyev); VITVITSKAYA, Z. (g.Kiyev)

An electric checking device for a swift. Prom.koop. 13 no.5:9 My '59. (MIRA 12:9)

1. Glavnyy inzhener arteli "Kiyevtrikotazh" (for Kal'nitskiy).
2. Nachal'nik otdela tekhnicheskogo kontrolya arteli "Kiyevtrikotazh".

(Textile machinery)

CHELNOKOV, I.I., doktor tekhn.nauk, prof.; KAL'NITSKIY, L.A., kand. tekhn.nauk, dotsent

Forced vibrations of the system "wheel pair load on a spring assembly with bilinear elastic characteristics." Sbor.trud. LIIZHT no.183:55-68 '62. (MIRA 16:2)
(Car springs—Vibration)

KELNITSKIY, L.A., kand. tekhn. nauk, dotsent

Vibrations of the body of two-axle cars with conical springs in the vertical-longitudinal plane of symmetry. Sbor. trud. MIIZHT no.215:110-127 '64. (MIRA 17:12)

KAL'NITSKIY, L.A.; VOL'PE, L., red.

[Higher mathematics; differential calculus of functions of one and several variables] Vysshaia matematika; differentsial'noe ischislenie funktsii odnoi i neskol'kikh peremennykh. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t. 1965. 74 p. (MIRA 18:11)

ABRAMKIN, Roman Pavlovich; KAL'NITSKIY, R.Ya. [Kal'nyts'kyi, R.IA.], red.; LIMANOVA, M.I. [Lymanova, M.I.], tekhn.red.

[Cooperative collective-farm construction; from the experience of the Novaya Vodolaga Cooperative Construction Organization] Mizhkolhospne budivnytstvo; z dosvidu Novovodolaz'koho mizhkolhospbudu. Kharkiv, Kharkivs'ke knyzhkove vyd-vo, 1960. 35 p. (MIRA 14:4)

1. Nachal'nik soveta Novovodolazskogo mezhkolkhozstroya (for Abramkin).
(Novaya Vodolaga District--Construction industry)

KAL'NITSKIY, L. B.

7680. KAL'NITSKIY, L. B. --Besprovolochnyy greben' dlya obrazovaniya pervogo petel'nogo ryada izdeliy na ploskofangovykh mashinakh. M., KOIZ, 1954. 5 S. S. chert. 21 sm. (tsentr. sovet promysl. kooperatsii SSSR. Tekhn. upr. Obmen proizvod-tekhn-opytom. Inform. listok. 697.500 ekz. bespl.-avt. ykazan v kontse teksta.-- (55-347 zh)

677.661.05

SO: Knizhnaya Letopis', Vol. 7, 1955

3461 KAL'NITSKIY, L. B.

Tsepnoy stezhok dlya otdelki izdeliy verkhnego trikotazha. M., KOIZ 1954. 5s vklyuch. obl., s ill 21 s m. (Tsentr. sovet promysl. koope atsii SSSR. tekhn. upr. obmen proizvod-tekhn. opytom. inform. listok. 53) 500 ekz Bespl. avt. ukazan v kontse teksta. (54-14383 zh)
677.661.027

KAL'NITSKIY, L.B., inzhener

Comments on the article "Wider utilization of the possibilities of knitting machines." Leg.prom.14 no.2:38-39 F '54. (MLRA 7:5)
(Knitting machines) (Maksimov, IU.A.)

KAL'NITSKIY, L.B., inzhener.

Substituting twisted cotton yarn for thread. Leg.prom. 14 no.8: 21 Ag '54. (MLRA 7:8)
(Yarn)

KAL'NITSKIY, L.B., inzhener

The relation between yarn number and the type of flat cardigan stitch knitting machine used. Leg. prom. 15 no.6:21-23 Je '55.
(Knitting machines) (MLRA 8:8)

KAL'NITSKIY, L.B., inzhener.

Systematically erroneous approach. Leg.prom. 15 no.12:23-24 D '55. (MLRA 9:5)

(Knit goods industry)

KAL'NITSKIY, L. (Kiyev).

Scissors cutting by electric power. Prom. koop. 12 no.3:9 Mr '58. (MIRA 11:3)

1. Artel' "Kiyevtrikotazh".
(Scissors and shears)

KAL'NITSKIY, L.B.

Discussing again the flat purl knitting machines. Tekst.prom.22 no.3:75-77 Mr '62. (MIRA 15:3)

1. Glavnyy inzh.eksperimental'noy fabriki Kiyevskogo Doma modeley trikotazhnykh izdeliy.

(Knitting machines)

KAL'NITSKIY, L.B.; YELEN, A.I.

New methodology for setting the norms of raw materials in the manufacture of knit outerwear garments. Tekst. prom. 23 no.12:48 D '63. (MIRA 17:1)

1. Glavnyy inzh. eksperimental'noy fabriki Kiyevskogo Doma modeley trikotazhnykh izdeliy (for Kal'nitskiy). 2. Nachal'nik proizvodstvennogo otdela eksperimental'noy fabriki Kiyevskogo Doma modeley trikotazhnykh izdeliy (for Yelen).

KAL'NITSKIY, L.B. [Kal'nyts'kyi, L.B.]

Manufacture of fancy knit fabrics on the interlock knitting machine. Leh.prom. no.1:12-15 Ja-Mr '64.
(MIRA 19:1)

KAL'NITSKIY, L.B.

Review of S.Kh.Simin and M.S.Mirkin's book "Multisystem circular interlock knitting machines." Tekst.prom. 25 no.2:78-80 F '65. (MIRA 18:4)

1. Glavnyy inzh. eksperimental'noy fabriki Kiyevskogo doma modeley.

KAL'NITSKIY, L.B. [Kal'nyts'kyi, L.B.]

Manufacture of "cover" type tuck-figured fabrics on the interlock knitting machine. Leh. prom. no.3:23-26 Jl-S '65. (MIRA 18:9)

KAL'NITSKIY, L.B.

Some causes of stripe in knitted fabrics manufactured on flat fang type knitting machines. Tekst. prom. 25 no.3:43-44 Mr '65. (MIRA 18:5)

1. Nachal'nik proizvodstvennogo otdela tekstil'nogo i trikotazhnogo tsekha modeley trikotazhnykh izdeliy Gosudarstvennogo soyuznogo mestnogo khozyaystva.

KAL'NITSKIY, L.A.; YELEN, A.I., starshiy nauchnyy sotrudnik

Effect of the magnitude of the shed of a flat latch-needle knitting machine on the indices of double-rib cloth. Tekst. prom. 25 no.5:43-47 My '65. (MIRA 18:5)

1. Nachal'nik sektora poshiva trikotazha Ukrainskogo nauchno-issledovatel'skogo instituta (for Kal'nitskiy). 2. Sektor poshiva trikotazha Ukrainskogo nauchno-issledovatel'skogo instituta (for Yelen).

KAL'NITSKIY, M.G.

Intratracheal nitrous oxide anesthesia in surgical gynecology. Akush. i gin. no.2:44-47'63. (MIRA 16:10)

1. Iz akushersko-ginekologicheskoy kliniki lechebnogo fakul'teta (zav. - prof. A.M.Foy) Saratovskogo meditsinskogo instituta.

(GYNECOLOGY, OPERATIVE) (NITROUS OXIDE)
(INTRATRACHEAL ANESTHESIA)

KAL'NITSKIY N. F.

127-58-1-22/28

AUTHORS: Volkov, K.D.; Grudin, B.M., and Kal'nitskiy, N.F., Engineers

TITLE: Drifting. Scraper- Hopper-Train (Prokhodcheskiy skrepernyy poyezd-bunker)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 1, pp 72-74 (USSR)

ABSTRACT: A drifting, scraper hopper-train was designed, manufactured and applied for drifting a cross in the Belousovo mine early in 1957. This hopper-train of the PSPB-1 type consists of individual car sections installed on the carriages of VOK-80 cars, a loading car, and an unloading car, shown in Figures 2, 3 and 4. When the train is being composed, individual sections enter into each other forming thereby a continuous trough-hopper. A scraper winch is installed on a separate carriage and it moves a 0.15 m^3 scraper with which the rock is transported from the loading machine into the hopper-train. The technical characteristics of the hopper-train are as follows: the capacity is 25 cu m; the efficiency in loading is 30 cu m/hr and in unloading is 40 cu m/hr; the length is 31,000 m, the width is 1,200 mm and the height is 1,700 mm. The experience of using the PSPB-1 justifies

Card 1/2

the conclusion that 100 or 150 m per month can become the average speed of drifting horizontal workings.
The article contains 4 figures and 1 photo.

ASSOCIATION: Belousovskoye rudoupravleniye, Vostochno-Kazakhstanskaya oblast' (Belousovka Mine Administration, East-Kazakhstan Oblast')

AVAILABLE: Library of Congress

1. Cargo vehicles-Mines 2. Mines-Equipment 3. Ores-Transportation

Kal'nitskiy, N.N.

USSR/Chemical Technology - Chemical Products and Their Application. Electrochemical Manufacturing. Electrodeposition. Chemical Sources of Electrical Current. H-6

Abs Jour : Referat Zhur - Khimiya, No 1, 1958, 1950

Author : Kal'nitskiy N.N.

Inst : Scientific Students Society of the L'vov Commercial-Economic Institute.

Title : New Electric Gas-Coulometer and the Prospects of Its Utilization.

Orig Pub : Zap. nauchn. stud. o-va. L'vovsk. torgovo-ekon. in-t, 1957, No 1, 60-63

Abstract : Due to the use of shunted current the measurement range of the gas coulometer, proposed by N.S. Krugov and based on electrolysis of a 15% NaOH solution in a cell with Ni-electrodes, can be considerably expanded.

Card 1/1

S/078/63/008/002/006/012
B101/B186

AUTHORS: Belyayev, I. N., Smolyaninov, N. P., Kal'nitskiy, N. R.

TITLE: Investigation of the system Bi_2O_3 - TiO_2 - PbO

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 8, no. 2, 1963, 384 - 388

TEXT: The binary system Bi_2O_3 - TiO_2 was investigated with the aid of the fusibility method up to a content of 30 mole% TiO_2. A new congruently melting compound, $Bi_{24}TiO_{38}$, m.p. 844°C, was found, which crystallizes in a cubic body-centered lattice (a = 9.05 ± 0.02 kX). Mixed with 2.5 mole% TiO_2 it forms a eutectic with the m.p. at 797°C and containing 10.0 mole% TiO_2 it forms a eutectic having the m.p. at 821°C. Additionally, through X-ray analysis, the compounds $Bi_4Ti_3O_{12}$ and $Bi_2Ti_3O_9$ were found. From dilatometric and thermographic investigations it followed that $Bi_2Ti_3O_9$ undergoes a phase transition between 180 and 260°C. In the ternary system Bi_2O_3 - TiO_2 - PbO the crystallization regions of the phases Bi_2O_3,

$Bi_{24}TiO_{38}$, $Bi_6Pb_2O_{11}$, Pb_2TiO_4 and PbO were determined. For the four ternary points the following compositions were found in mole%:

	Bi_2O_3	TiO_2	PbO	m.p., °C
E_1	63.5	0.5	36.0	680
E_2	29.5	1.0	69.5	599
P_1	70.0	8.0	22.0	775
P_2	49.0	2.0	49.0	608

Dilatometrical, thermographical and X-ray analysis of the cross sections of $Bi_4Ti_3O_{12}$ - $PbTiO_3$ and $Bi_2Ti_3O_9$ - $PbTiO_3$ proved the formation of $Bi_4PbTi_4O_{15}$ and of the new compound $Bi_2PbTi_4O_{12}$. The similarity between the powder patterns of $Bi_2PbTi_4O_{12}$ and those of $Bi_4Ti_3O_{12}$. $Bi_4PbTi_4O_{15}$ and $Bi_2SrTi_4O_{12}$ lead to the conclusion that $Bi_2PbTi_4O_{12}$ too may be regarded as a ferroelectric material with laminated structure. There are 5 figures and 4 tables.

Investigation of the system... S/078/63/008/002/006/012
B101/B186

The most important English-language reference is: E. C. Subbarao, J. Chem. Phys., 34, 695 (1961).

SUBMITTED: May 22, 1962

Card 3/3

BELYAYEV, I.N.; SMOLYANINOV, N.P.; KAL'NITSKIY, N.R.

Investigation of the system Bi_2O_3 - TiO_2 - PbO. Zhur.neorg.khim. 8 no.2:384-388 F '63. (MIRA 16:5)
(Bismuth oxides) (Titanium oxides) (Lead oxides)

KAL'NITSKIY, P. I., (Chief Veterinary Surgeon, Strashnensk Raion, Moldavian SSR)

In the struggle for keeping young cattle in good health

Veterinariya vol. 38, no. 10, October 1961, pp 30

KAL'NITSKIY, P.I.

Keeping young cattle in good health. Veterinariia 38 no.10: 30-32 O '61. (MIRA 16:2)

1. Glavnyy veterinarnyy vrach Strashenskogo rayona, Moldavskoy SSR.

(Strasheny District—Veterinary medicine)

STURMAN, A.V., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); BULGAKOV, Yu.N., veter. fel'dsher (Strashenskiy rayon, Moldavskaya SSR); KAL'NITSKIY, P.I., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); OCHAKOVSKIY, Z.M., veter. vrach (Strashenskiy rayon, Moldavskaya SSR); GOTSENOGA, A.D. (Strashenskiy rayon, Moldavskoy SSR); ABRAMYAN, G.I., veter. vrach; MEKHTIYEV, M.G., veter. fel'dsher (s.Shirozlu, Vedinskogo rayona Armyanskoy SSR); KIRAKOSYAN, A.A., veter. vrach; GEORGIYEV, Yu.P., veter. vrach; LOMAKIN, A.M., nauchnyy sotrudnik; SHEPELEV, L.A., veter. vrach.; TARASOV, I.I., assistent; ROMASHKIN, V.M., veter. tekhnik; ANDRIYAN, Ye.A.; BARTENEV, V.S.; KOROL', Ye.I., veter. tekhnik; YEROSHENKO, A.K., aspirant; BANZEN, Ya.P.; SARAYKIN, I.M., prof.; ZHEVAGIN, A.N., veter. vrach; BUT'YANOV, D.D., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblasti BSSR); SHALYGIN, B.V., veter. vrach (Klimovichskiy rayon, Mogilevskoy oblasti, BSSR); RYABOKON, G.T., veter. fel'dsher; MOVSUMZADE, K.K., prof.; DUGIN, G.L., aspirant; TITOV, G.I., nauchnyy sotrudnik; MEDVEDEV, I.G., veter. vrach.; ALIKAYEV, V.A.; ALLENOV, O.A., veter.vrach.

Prophylaxis and treatment of noninfectious diseases in calves and piglets. Veterinariia 40 no.2:40-47 F '63. (MIRA 17:2)

1. Ul'yanovskaya oblastnaya veterinarno-bakteriologicheskaya laboratoriya (for Sturman). 2. Kolkhoz imeni Kirova. Volokonovskogo

(Continued on next card)

KAL'NITSKIY, P.I.

We are improving the veterinary and zootechnical service on swine raising farms. Veterinariia 42 no.9:8-10 S '65. (MIRA 18:11)

1. Glavnyy veterinarnyy vrach Novoanenskogo rayona Moldavskoy SSR.

KAL'NITSKIY, P. T.

KAL'NITSKIY, P. T.

Sudan Grass

Concentrated sowing of Sudan grass for hay. Korm. baza 3 No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952, UNCLASSIFIED.

10.7300

S/250/62/006/002/005/007
1028/1228

AUTHOR: Severdenko, V. P. and Kal'nitskiy, R. M.

TITLE: On the problem of determination of a plasticity criterion

PERIODICAL: Akademiya nauk Belaruskay SSR. Doklady, v. 6, no. 2, 1962, 97–99

TEXT: There being no generally accepted plasticity indicator at the present time, the authors define a criterion of plasticity e_{pe}, that characterizes the capacity of irreversible deformation without destruction of metals and, or alloys. In a deformed body, part of the macrovolumes are subjected to extension stresses, others — to compression stresses. The destruction occurring earlier in the former, the criterion is defined for the case of extension. A transition leads to a linear scheme for the stressed state, and the following expression is obtained for the plasticity criterion:

$$e_{pe} = e_e + \frac{\sigma_e^l - \sigma_{oe}}{\sigma_n} \qquad (2)$$

where e_{pe} = criterion of plasticity, corresponding to the value of the actual deformation which would be obtained in a monoaxial extension, e_e = limiting actual deformation on extension, σ_{oe} = actual rupture stress reduced to the linear scheme, σ_n = actual stress at the beginning of concentrated stress, σ_e^l = actual rupture stress at monoaxial extension. Formulas are then established, on the basis of equations of the mecha-

Card 1/2